

SEQUENCE LISTING

5 <110> E.I. du Pont de Nemours and Co.
Fahnestock, Stephen R
Schultz, Thomas M

10 <120> A Method for Purifying and Recovering Silk Proteins in Soluble Form and
Uses Thereof

<130> CL-2175 US NA

<160> 4

15 <170> PatentIn version 3.1

<210> 1
<211> 101
<212> PRT

20 <213> artificial sequence

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<223> Monomer of spider silk DP-1A analog protein

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1 5 10 15

Gly Gly Ala Gly Gln Gly Gly Tyr Gly Gly Leu Gly Ser Gln Gly Ala
20 25 30

35 Gly Arg Gly Gly Leu Gly Gly Gln Gly Ala Gly Ala Ala Ala Ala Ala
35 40 45

Ala Ala Gly Gly Ala Gly Gln Gly Gly Leu Gly Ser Gln Gly Ala Gly
50 55 60

40 Gln Gly Ala Gly Ala Ala Ala Ala Ala Ala Gly Gly Ala Gly Gln Gly
65 70 75 80

Gly Tyr Gly Gly Leu Gly Ser Gln Gly Ala Gly Gln Gly Gly Tyr Gly
85 90 95

45 Gly Leu Gly Ser Gln
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15 Arg Gly Gly Leu Gly Gly Gln Gly Ala Gly Ala Ala Ala Ala Ala
20 25 30

Ala Gly Gly Ala Gly Gln Gly Gly Leu Gly Ser Gln Gly Ala Gly Gln
35 40 45

20

Gly Ala Gly Ala Ala Ala Ala Ala Ala Gly Gly Ala Gly Gln Gly Gly
50 55 60

25 Tyr Gly Gly Leu Gly Ser Gln Gly Ala Gly Arg Gly Gly Gln Gly Ala
65 70 75 80

Gly Ala Ala Ala Ala Ala Ala Gly Gly Ala Gly Gln Gly Gly Tyr Gly
85 90 95

30 Gly Leu Gly Ser Gln
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 20 25 30

Ala Ala Ala Gly Gly Ala Gly Gln Gly Gly Leu Gly Ser Gln Gly Ala
 35 40 45

20

Gly Gln Gly Ala Gly Ala Ala Ala Ala Ala Ala Gly Gly Ala Gly Gln
 50 55 60

25

Gly Gly Tyr Gly Gly Leu Gly Ser Gln Gly Ala Gly Arg Gly Gly Gln
 65 70 75 80

Gly Ala Gly Ala Ala Ala Ala Ala Ala Gly Gly Ala Gly Gln Gly Gly
 85 90 95

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Tyr Gly Gly Leu Gly
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15 Gln Gln Gly Pro Gly Gly Tyr Gly Pro Gly Gln Gln Gly Pro Gly Gly
 20 25 30

Tyr Gly Pro Gly Gln Gln Gly Pro Ser Gly Pro Gly Ser Ala Ala Ala
 35 40 45

20

Ala Ala Ala Ala Ala Gly Pro Gly Gly Tyr Gly Pro Gly Gln Gln Gly
 50 55 60

25 Pro Gly Gly Tyr Gly Pro Gly Gln Gln Gly Pro Ser Gly Pro Gly Ser
 65 70 75 80

Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Gly Pro Gly Gly Tyr Gly Pro
 85 90 95

30 Gly Gln Gln Gly Pro Gly Gly Tyr Gly Pro Gly Gln Gln Gly Pro Gly
 100 105 110

Gly Tyr Gly Pro Gly Gln Gln
 115

35